

Receiving Report

Date: 15-05-20

Batch No: 132325

Supplier: Aviall

Dart P/O: 28372

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☒ No ☐
 Receipt: Cash ☐ Cr ☒
 New Supplier Yes ☐ No ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☒ No ☐
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC18 Inspection ☐ N/A ☒
 Work Order ☐ N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number

Initials of Receiver

QC12

SP

Production/Admin:

Date

Received/Costing

Initial

Location



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PO REPRINT

Purchase Order ID PO28372

Purchase Order Date 5/5/2015

PO Print Date 5/20/2015

Page Number 1 of 2

Order From :
AVIALL
PO BOX 842275

DALLAS, TX 75284-2275
USA

VU-AVI003

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905-676-1695

Ship To Contact
Ship To Phone

Ship Via FedEx Overnight collect
Ship Acct

Buyer Chantal Lavoie
Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency USD
FOB EXW - (Ex Works)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req. Qty/ Unit of Measure	PO Unit Price	Extended Price
1	MS21062-3K ✓	Nut Plate	5/21/2015 Yes 5/21/2015		200.00 Each	\$2.15	\$430.00
						Line Total:	\$430.00
2	MS21209-F415	Heli-Coil	5/8/2015 Yes 5/8/2015		100.00 Each	\$0.14	\$14.00
						Line Total:	\$14.00
3	71400-11	PS890-B2 PRO-SEAL PINT SIZE	5/8/2015 Yes 5/8/2015		12.00 Each	\$74.66	\$895.92
						Line Total:	\$895.92

Deliver To: ANDY

PO Instructions: Fedex Acc#151793240

Note:

5/19/2015



STANDARD FORM NO. 1

DELIVERY NUMBER: 8001793666

ROUTE: US FedEx International Priority

TIME:18:05:47

EMP:00000000

ORD TYP: ZOR 169

CURRENCY:USD

TERMS:Net 30

CUSTOMER PO:28372
ORDER NUMBER:1001189266
ORDER DATE:05MAY15

B 10003952
I DART AEROSPACE LTD
L 1270 ABERDEEN STREET
L HAWKESBURY ON K6A 1K7
T CANADA
O

S 10003952
H DART AEROSPACE LTD
I 1270 ABERDEEN STREET
P HAWKESBURY ON K6A 1K7
TO CANADA

S 1000
H AVIALL CENTRAL WAREHOUSE
I DALLAS CDC
P 2750 REGENT BLVD
FROM DFW AIRPORT TX 75261-9048
USA

LINE	PO LINE	MFG	ITEM DESCRIPTION	ORDER QUANTITY	SHIP QUANTITY	QUANTITY BACK ORDER	UOM	LIST PRICE	CUSTOMER PRICE	EXTENDED CUSTOMER PRICE
00010	0	74	MS21062-3K NUTPLATE: SELF-LKG,CRES BATCH 7363977929	200	200	0	EA		2.15	430.00

8015-05-20

This is not an Invoice.
For payment processing, please refer to Invoice.

The recipient of these goods agrees to comply with all export regulations governing the transfer, sale, lease, or use of these goods.
Diversion contrary to U.S. Law is prohibited.

CERTIFICATE OF CONFORMANCE

It is hereby certified that Aviall Services, Inc., is an approved distributor and meets all requirements of ISO9001, AS9100, AS9120 and AC 00-56 at 2750 Regent Blvd. DFW Airport, Texas. The products, articles or parts referenced on this document are in new or overhauled condition and were purchased from an approved source (FAA, EASA, TCCA, Mil Spec or Commercial). The Original Manufacturers' Certifications are maintained on file at our central office location, and copies are available upon request or at Aviall.com. For overhauled or repaired products, articles or parts, the original FAA 8130-3 / EASA Form 1 (Return to Service) or Yellow Tag, from the FAA/JAA/EASA approved Air Agency are attached to the component.

JR Hofmann, Director, Global Quality

19MAY15
Date

DISCOUNT TERMS APPLY ONLY TO SUB TOTAL. ALL
RETURNED MERCHANDISE SUBJECT TO HANDLING
FEE.
THIS IS TO CERTIFY THAT AVIALL HAS COMPLIED WITH
THE PROVISIONS OF THE FAIR LABOR ACT OF 1938
AMENDED.

CUSTOMER COPY



A BOEING COMPANY

Commercial Invoice

AVIALL SERVICES INC
2750 REGENT BLVD
DFW AIRPORT TX 75261
USA

Government Transaction Number

NOEEI FTR 30.36

Delivery Number

8001793666

Tracking Number

Commercial Invoice Number

9302169522

Incoterms

EXW Shipping Point

Ship Date

19 May, 2015

Sold To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ultimate Consignee DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Ship To DART AEROSPACE LTD 1270 ABERDEEN STREET HAWKESBURY ON K6A 1K7 CANADA	10003952	Freight Forwarder FEDEX FEDEX NATIONAL LTL INC PO BOX 94515 PALATINE IL 60094-4515 USA	400010
--	----------	---	----------	--	----------	---	--------

Comments:

Item	Part Number & Description	Country of Origin	Quantity	UOM	Unit Value USD	Extended Value USD
10	MS21062-3K - NUTPLATE: SELF-LKG,CRES Harmonized Tariff: 7318160000 Export Classification: 9A991.d Authorization: NLRAT_MAY_2015 Sales Order: 1001189266 PO: 28372 Batch Number: 7363977929	US	200	EA	2.15	430.00




Gross Value	430.00
Add on Charges	
Tax Value	
Freight Charges	
Total Net Value	430.00

FOR CUSTOMS PURPOSES ONLY
NOT A BILLING INVOICE

These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to US laws is prohibited.

HERNDON PRODUCTS

3801 Lloyd King Dr.
O'Fallon, MO 63368
Phone : (314) 739-7400
Fax : (314) 739-5344

CUSTOMER	
ORDER NO	
CAGECODE	

B
I
L
L
T
O

AVIALL CENTRAL WAREHOUSE
PO BOX 619048

DALLAS, TX 75261-9048
ACCOUNTS PAYABLE

S
H
I
P
T
O

AVIALL CENTRAL WAREHOUSE
AVIALL DALLAS BRAKE
2750 REGENT BOULEVARD
DFW AIRPORT, TX 75262

SALES ORDER 1272248-A		CUSTOMER PO 45234443		HPI PO STOCK		PACKER JW		ORDER CONTACT MARY BECHTEL	
SHIP DATE 05/06/15		WEIGHT 2		CARTONS 1		SHIP VIA FEDEX STANDARD		FOB Origin	
WAYBILL NUMBER 592455036323		BILLING ACCT 123985630							
ITM	Quantities			PART NUMBER / DESC	MFG LOT	HPI LOT NO			
	BALDUE	BCKORD	SHIP						
010	200 EA	0 EA	200 EA	MS21062-3K A3856 PAOLO ASTORI REV NEW 200 82161-01-005 07201300241902 ORIGIN Italy NUT PLATE CERT CODE : AE TERMS : Net 30 DFAR Compliant Per 252.225-7009 NOTES : export control ECCN EAR99					

ITEM MS21062-3K=74



BATCH 7363977929



CANDERSON
05/07/15

The above commodities are subject to the Export Administrations Regulations (EAR) and/or International Traffic in Arms Regulations (ITAR). It is your responsibility to obtain a validated export license for this material from the Department of Commerce or the Department of State if so required under the applicable U.S. Government Export Control Regulations. The above material shall not be shipped to any country that has an embargo placed on it by the U.S. Government or any entity on the US Debarred list. By accepting the items on this invoice you agree to our Terms and Conditions of Sales. These commodities, technology or software were exported from the United States in accordance with the Export Administration Regulations. Diversion contrary to U.S. Law is prohibited.

CERTIFICATION: We hereby certify that the material contained in this shipment is new and the supplier has represented that the material was manufactured and inspected in accordance with all blueprint and procurement specification requirements and that the attached documents are certified as true copies of original documents and are on file for review. Evidence of compliance is on file with us and our supplier subject to examination.

NOTWITHSTANDING THE FOREGOING, SELLER DISCLAIMS ANY WARRANTY OR RESPONSIBILITY FOR MANUFACTURING OR FUNCTIONAL DEFECT
Aerospace Fasteners Manufactured in the USA unless otherwise stated.

By 
Jeff Park / Quality Manager

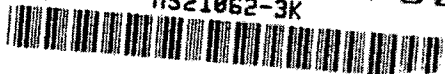
Herndon Products, Inc. Authorized Quality Assurance Agent

REMIT TO: P.O. BOX 66249, LOS ANGELES, CA 90066-0249
 13402 BEACH AVE., MARINA DEL REY, CA. 90292
 TEL (310) 821-5582 * FAX (310) 821-0378 * (310) 821-5616
 D.U.N.S. 05-148-3659 FEDERAL I.D. 95-2312505

ACCOUNT NO. **A4074A**
 SOLD TO: HERNDON PRODUCTS INC
 3801 LLOYD KING DR.
 OFALLON, MO 63368

SHIP TO:
 HERNDON PRODUCTS INC
 3801 LLOYD KING DR.
 OFALLON, MO 63368

AFI
Aircraft Fasteners
 INTERNATIONAL, LLC

SALES ORDER NO.		CUSTOMER P.O. NO.		BUYER	SALESPERSON	TERMS
778096		H00162340		CINDY HEDBERG	FRED	1%10 NET30
DATE ORDERED	DATE SHIPPED	SHIP VIA / FOB / SPECIAL INSTRUCTIONS				
07-24-13		FedEx Ground - Collect, ACCT# 278876500 Acct #: 278876500				
LINE	ORDERED	PART NUMBER/DESCRIPTION/LOT NO.		SHIPPED	NOTES	
1	10,000	10AX86A306N84 PAOLO ASTORI MADE IN ITALY Cust Part #: MS21062-3K 667 PCS CTL# 81510-05-003 MFG LOT # 42150/ITALY Country of Origin: ITALY MFG: PAOLO ASTORI SPA		10,000	IAW DFARS 252.225-7014 ALT 1	
		5,000 PCS CTL# 82161-01-005 MFG LOT # 44811/ITALY Country of Origin: ITALY MFG: PAOLO ASTORI SPA			07201300241902 MS21062-3K 	
		4,333 PCS CTL# 82161-02-002 MFG LOT # 45920/ITALY Country of Origin: ITALY MFG: PAOLO ASTORI SPA				
		PC - PHYSICAL /CHEMICAL CERTIFICATION				

SHORTAGES MUST BE REPORTED WITHIN 10 DAYS.
 NO RETURNS ACCEPTED WITHOUT AUTHORIZATION.
 NO RETURNS ACCEPTED WITHOUT LOT TRACEABILITY.

MAINTAIN TRACEABILITY -
 DO NOT MIX LOTS

PAGE: 1 of 2

Continued...

REMIT TO: P.O. BOX 66249, LOS ANGELES, CA 90066-0249
 13402 BEACH AVE., MARINA DEL REY, CA. 90292
 TEL (310) 821-5582 * FAX (310) 821-0378 * (310) 821-5616
 D.U.N.S. 05-148-3659 FEDERAL I.D. 95-2312505

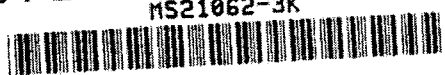
ACCOUNT NO. A4074A
 SOLD TO: HERNDON PRODUCTS INC
 3801 LLOYD KING DR.
 OFALLON, MO 63368

SHIP TO:
 HERNDON PRODUCTS INC
 3801 LLOYD KING DR.
 OFALLON, MO 63368

AFI

Aircraft Fasteners

INTERNATIONAL, LLC

SALES ORDER NO.		CUSTOMER P.O. NO.		BUYER	SALESPERSON	TERMS
778096		H00162340		CINDY HEDBERG	FRED	1%10 NET30
DATE ORDERED	DATE SHIPPED	SHIP VIA / FOB / SPECIAL INSTRUCTIONS				
07-24-13		FedEx Ground - Collect, ACCT# 278876500 Acct #: 278876500				
LINE	ORDERED	PART NUMBER/DESCRIPTION/LOT NO.	SHIPPED	NOTES		
		<p>07201300241902</p> <p>MS21062-3K</p> 		<p>CERTIFICATE OF CONFORMANCE</p> <p>All inventory is purchased and maintained with manufacturer's lot number traceability, unless otherwise specified, with documentary evidence in the form of certification of conformance and/or physical and chemical test reports on file, available for inspection, attesting that items have been manufactured in accordance with all applicable standards and specifications. AIRCRAFT FASTENERS INTERNATIONAL, LLC. disclaims any responsibility for manufacturing or functional defects and hereby limits express or implied warranties to liability for replacement of this material, with responsibility not to exceed the invoice amount. When exporting this product you must comply with US Export Administration regulations. Any diversion to these regulations contrary to U.S law is prohibited.</p> <p><i>N. Valderama</i></p> <p>QUALITY MANAGER</p>		

SHORTAGES MUST BE REPORTED WITHIN 10 DAYS.
 NO RETURNS ACCEPTED WITHOUT AUTHORIZATION.
 NO RETURNS ACCEPTED WITHOUT LOT TRACEABILITY.

MAINTAIN TRACEABILITY -
 DO NOT MIX LOTS

PAGE: 2 of 2

PACKING SLIP / CERTIFICATION

Sales Order Number: 778096
Finished Lot Number: 82161-01-005



PAOLO ASTORI SPA
Via Mirabella, 9 - Maggiate Superiore
28013 Gallio (NO) - ITALY
Tel (+39) 0322 838847
Fax (+39) 0322 880198
Web: www.paoloastori.com



CERTIFICATE OF CONFORMANCE

N° 10558

Date 07/12/2012

To:

AIRCRAFT FASTENERS INTERNATIONAL
13402 BEACH AVENUE
MARINA DEL REY
USA

This is to certify that goods listed below have been inspected in our plant and are up to your orders and to the specifications of the drawings mentioned therein.

Country of origin is ITALY.

Pos	Part Number	Purchase Order	Order Date	Quantity	U.M.	Batch	Cure Date Expiry Date
1	MS21054L3K-NAS663C3JK	82161	02/05/2012	4500	N	45228	TA.1.DATACU
2	MS21554L3K-NAS663C3JK	82161	02/05/2012	4500	N	45228	TA.2.DATACU
3	MS21062-3K-NAS1032C3K(Rev. REVNEW)	82161	02/05/2012	667	N	42855	TA.3.DATACU
4	MS21062-3K-NAS1032C3K(Rev. REVNEW)	82161	02/05/2012	5000	N	44811	TA.4.DATACU

3069

07201300241902
MS21062-3K




DISCERNI SEMPRE LA NOMENCLATURA COMBINATA 73181830 spedita con fedeltà espressa servizio internazionale economy.

Alibus approval # 204788 - BAE Approval # BAE/AG/30631/MAA - Complies with DFARS 252.226-7014. - Agusta-Westland
Q500 approval # A/0047

All claims regarding the parts in subject must be reported to seller promptly. Credit or replacement of parts may be limited to those parts for which traceability has been maintained by the buyer. The sellers manufacturing lot identification number and return authorization (RMA) must accompany all returns. Any discrepancy claimed by the Customer must be made in writing to seller not later than ninety (90) days after the shipping date. The liability of seller on parts found to be defective is limited to replacement or rework of such goods, as seller option, and in no case is to exceed the invoice value of such goods. Under no circumstance will seller be liable for damages or cost incurred by buyer or subsequent user beyond the invoice value of the parts in subject.

Sales Order Number: 778096
Finished Lot Number: 82161-01-005

 **QUALITY CONFORMANCE INSPECTION REPORT**

CONFORMITY WITH QUALITY MANAGEMENT
SYSTEM CERTIFIED BY ISO 9001
- 2008 010613008 -

Sede legale: via Mirabella, 9 - MAGGIATE Sup. - 29013 GATTICO (NO) ITALY-TEL: 0322-838847 FAX: 0322-880198 www.paoloastori.com

STATEMENT OF CONFORMITY

THIS IS TO CERTIFY THAT PARTS HAVE BEEN PRODUCED, CONTROLLED AND ACCEPTED
ACCORDING TO THE REQUIREMENTS OF THE APPLICABLE SPECIFICATION CALLED BY THE PURCHASE
ORDER AND/OR THE APPLICABLE STANDARD DRAWING.
MATERIAL, HEAT AND SURFACE TREATMENTS AND MANUFACTURING PROCESSES ARE THE SAME AS
THOSE USED FOR THE QUALIFICATION APPROVAL.
SAMPLES SUBJECT OF ALL TESTS WERE BEEN SELECTED AT RANDOM FROM THE PRODUCTION BATCH
COVERED BY THIS DOCUMENT. COUNTRY OF ORIGIN ITALY.
THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL, WITHOUT THE WRITTEN APPROVAL OF
PAOLO ASTORI SPA.


Signature
Quality Representative


C
22

CUSTOMER	see attached COC
P.O.	see attached COC
PART NO.	MS21062-3K see NASM21062 REV NEW / NAS687C3K REV11 / NAS1032C3K REV6
ASTORI CODE	10AXR6A306N84
DESCRIPTION	NUT, SELF-LOCKING, PLATE, ONE LUG, FLOATING
PROCUREMENT SPEC.	NASM25027
BATCH NO.	44811
BATCH QUANTITY	15,043
QUANTITY DELIVERED	see attached COC

ASTORI

Description of component	Raw Material Specification	Raw material Batch no.	Heat N°	Heat treatment performed	Material Specification after the heat treatment
NUT	AMS5525	-2554	517310	Precipitation h.t.	AMS5525
CAGE	AMS5525	-2828	518127	Precipitation h.t.	AMS5525
OTHER					
OTHER					

All claims regarding the parts in subject must be reported to seller promptly. Credit or replacement of parts may be limited to those parts for which traceability has been maintained by the buyer. The seller's manufacturing lot identification number and return authorization (RMA) must accompany all returns. Any discrepancy claimed by the Customer must be made in writing to seller not later than ninety (90) days after the shipping date. The liability of seller on parts found to be defective is limited to replacement or rework of such goods, at seller option, and in no case is to exceed the invoice value of such goods. Under no circumstance will seller be liable for damages or cost incurred by buyer or subsequent user beyond the invoice value of the parts in subject.

Date: 21/08/2012 Batch N° 44811  page 1 of 5

07201300241902
MS21062-3K



6969

Sales Order Number: 778096
 Finished Lot Number: 82161-01-005

RECEIVED DEC 28 2012

CONFORME WITH QUALITY MANAGEMENT
 SYSTEM CERTIFIED BY DNV
 = EN 9100:2008 =

QUALITY CONFORMANCE INSPECTION REPORT

Sezione legale: via Mirabella, 9 - MAGGIATE Sup. - 23013 GATTICO (NO) ITALY-TEL: 0322-858847 FAX: 0322-880198 www.pacificorpri.com

SUMMARIZED TEST RESULTS

(all tolerances are expressed in metric and Imperial units - test results are recorded as read on the MTE)

Characteristic	Inspection or test to be Performed	Applicable Or not	Sample Inspected	Inspection Media	Test Result	note
Examination of product :						
Design	verify the design of the nut	A	ALL	VISUAL	OK	
Self-locking device (Major A)	Examination	A	50	VISUAL	OK	see table 1
Thread fit (Major B)	go-no go gage - test bolt application	A	20	BOLT GO-GAGE	OK	see table 2
Bearing surface conditions and squareness (Major B)	check surface roughness and orthogonality error	A	20	OPTICAL COMPARATOR	OK	see table 3
Surface finish, plating or surface treatment (Major B)	verify the compliance of the surface treatment and condition	A	20	VISUAL	OK	see table 4
Rivet hole location and alignment (Major B)	measure the position and the distance	A	20	DIGITAL CALIPER	OK	see table 5
Height of nut (Major B)	measure the dimension	A	20	DIGITAL CALIPER	OK	see table 6
Loose or hanging burrs (Minor)	verify the presence of any kind of burrs	A	8	VISUAL	OK	see table 7
All other dimensional characteristics not covered above (Minor)	measure all dimensions with reference on the applicable standard	A	8	DIGITAL CALIPER	OK	see table 8 see attachment
Axial Tensile strength (Table IX)	verify if the nuts withstand the minimum axial strength	A	10	LOAD MACHINE	OK	see table 9
Locking torque	See below					
Max locking torque (Table IX)	measure and record the torque value for 1st, 7th, 15th of each nut tested	A	10	LOAD MACHINE	OK	see table 10
Min breakaway torque (Table IX)	measure and record the torque value for 1st, 7th, 15th of each nut tested	A	10	TORQUE METER	OK	see table 11
Torque out (Table IX)	torque out value must be not less than the requested value (attribute)	A	10	TORQUE METER	OK	see table 12
Push out (Table IX)	push out value must be not less than the requested value (attribute)	A	10	LOAD MACHINE	OK	see table 13
Discontinuities (Major B)	no cracks at all - Depth of discontinuities not more than values	A	20	VISUAL	OK	see table 14
23-hour stress embrittlement (10 pcs)	evidence of complete absence of stress embrittlement (attribute)	NA	-	VISUAL	-	see table 15
Magnetic permeability (Table IX)	Cres nuts must have less a magnetic permeability less than 2.0 in a/c for a field strength of H=2000 oersted	A	10	LOW MU INDICATOR	OK	see table 16
Inspection of packaging (All boxes)	Verify the correctness of packaging	A	ALL	VISUAL	OK	see table 17

Date: 21/08/2012

Batch N° 44811

page 2 of 5

07201300241902

MS21062-3K



Sales Order Number: 778096
Finished Lot Number: 82161-01-005



QUALITY CONFORMANCE INSPECTION REPORT
Sede legale: via Mirabello, 9 - MAGGIATE Sep. - 20013 GATTICO (NO) ITALY-TEL: 0322-858647 FAX: 0322-880198 www.pirellagomma.com

Table 1 - Self locking device - examination (control by attribute : ok/not ok)

OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OK	OK														

Table 2 - Thread fit (control by attribute : go-nogo gage ok/not ok - bolt application)

OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OK	OK	OK	OK												

Table 3 - Bearing surface max. squareness deviation admitted 0.13 mm (0.005 in) max. measured 0.06 mm (0.0024 in)
Surface roughness max. value admitted 3.2 (125 micro in) max. measured 1.6 (63 micro in)

0.04	0.03	0.03	0.04	0.06	0.03	0.03	0.03	0.04	0.04	0.04	0.06	0.03	0.03	0.04	0.03
0.06	0.04	0.04	0.05												
1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
1.6	1.6	1.6	1.6												

Table 4 - Surface finish, plating or surface treatment (control by attribute : ok/not ok)

Actual finishing PASSIVATED IN ACC WITH ASTM-A-967

SILVER PLATED IN ACC WITH AMS2410

OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OK	OK	OK	OK												

Table 5 - Rivet hole location and alignment.

Dimension requested 7.92±0.04 mm (0.312±0.002 in) max. range measured 7.92 mm (0.312 in)

7.89	7.90	7.90	7.92	7.91	7.92	7.92	7.89	7.92	7.90	7.92	7.92	7.89	7.92	7.90	7.91
7.92	7.90	7.89	7.91												

Table 6 - Height of nut Dimension requested 6.35 mm max (0.250 in max) max. range measured 5.86 mm (0.231 in)

5.82	5.81	5.82	5.86	5.82	5.79	5.79	5.89	5.81	5.82	5.79	5.86	5.81	5.83	5.82	5.84
5.80	5.86	5.79	5.83												

Date: 21/08/2012

Batch N° 44811


page 3 of 5

07201300241902

MS21062-3K



Sales Order Number: 778096
Finished Lot Number: 82161-01-005

 **QUALITY CONFORMANCE INSPECTION REPORT**

Stato Legale via Mirafiori, 9 - MAGGIATE S.p.A. - 28013 GATTOLO (NO) ITALY - TEL: 0322-838847 FAX: 0322-838848 www.packbeam.com

Table 7 - Loose or hanging burrs (control by attribute by means visual examination ok/not ok)

OK	OK	OK	OK	OK	OK	OK	OK												
----	----	----	----	----	----	----	----	--	--	--	--	--	--	--	--	--	--	--	--

Table 8 - All other dimensional characteristics not covered above (reference on the tolerances of the applicable standard dwt)

OK	OK	OK	OK	OK	OK	OK	OK												
----	----	----	----	----	----	----	----	--	--	--	--	--	--	--	--	--	--	--	--

Table 9 - Axial Tensile strength - Minimum load requested **10945 N (2462 lb min.)** max. measured **11100 N (2493 lb)**

11100	11100	11100	11100	11100	11100	11100	11100	11100	11100	11100									
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	--	--	--	--	--	--	--	--	--

Table 10 - Max locking torque -
Max. installation torque admitted **2.03 Nm (17.97 in-lb)** max. measured **1.05 Nm (9.29 in-lb)**

0.91	0.98	0.88	0.79	0.86	1.05	1.06	0.84	0.94	0.85										
0.73	0.80	0.68	0.61	0.77	0.87	0.82	0.86	0.76	0.87										
0.85	0.72	0.80	0.83	0.69	0.79	0.74	0.68	0.88	0.59										

Table 11 - Min breakaway torque -
Min. breakaway torque requested **0.23 Nm (2.01 in-lb)** min. measured **0.44 Nm (3.89 in-lb)**

0.79	0.88	0.74	0.87	0.83	0.88	0.88	0.72	0.92	0.73										
0.68	0.78	0.63	0.66	0.72	0.82	0.77	0.81	0.71	0.82										
0.68	0.63	0.61	0.44	0.60	0.70	0.86	0.48	0.59	0.50										

Table 12 - Torque out - Minimum requested value **6.78 Nm (60 lb-in)** (control by attribute ok/not ok) **7.10 Nm (62.8 lb-in)**

OK	OK	OK	OK	OK	OK	OK	OK	OK	OK										
----	----	----	----	----	----	----	----	----	----	--	--	--	--	--	--	--	--	--	--


Table 13 - Push out - Minimum requested value **445 N (100 lb min.)** (control by attribute ok/not ok) **510 N (115 lb)**

OK	OK	OK	OK	OK	OK	OK	OK	OK	OK										
----	----	----	----	----	----	----	----	----	----	--	--	--	--	--	--	--	--	--	--

Date: 24/08/2012 Batch N° 44811 Page 4 of 5

07201300241902
MS21062-3K


Sales Order Number: 778096
 Finished Lot Number: 82161-01-005



CONFORM WITH QUALITY MANAGEMENT
 SYSTEM CERTIFIED BY CNR
 - EN 9100:2008 -

QUALITY CONFORMANCE INSPECTION REPORT

Sede legale: via Marabelli, 9 - MAGGIATE Sup. - 28019 GATTICO (NO) ITALY - TEL: 0322-838847 FAX: 0322-830198 www.pecosar.com

Table 14- Discontinuities-No cracks at all-no discontinuities with depth more than 0.13 mm (control by attribute : ok/not ok) (22)

OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK	OK
OK	OK	OK	OK											OK	OK

Table 15 - 23-hour stress embrittlement (control by attribute : ok/not ok) N/A

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Table 16- Magnetic permeability - (control by attribute : ok/not ok) (22)

OK	OK	OK	OK	OK	OK	OK	OK	OK	OK						

Table 17- Inspection of packaging - (control of each package with of the shipment : ok/not ok with respect to the order requirements) (22)

ALL OK

SAMPLING TABLES

TABLE FOR MAJOR A CHARACTERISTICS

BATCH SIZE	SAMPLE SIZE	AN	RN
< 35,000	20	0	1
35,000 < Q < 150,000	20	0	1
150,000 < Q < 300,000	20	0	1

TABLE FOR MAJOR B CHARACTERISTICS

BATCH SIZE	SAMPLE SIZE	AN	RN
< 35,000	20	0	1
35,000 < Q < 150,000	32	0	1
150,000 < Q < 300,000	32	0	1

TABLE FOR MINOR CHARACTERISTICS

BATCH SIZE	SAMPLE SIZE	AN	RN
< 35,000	8	0	1
35,000 < Q < 150,000	13	0	1
150,000 < Q < 300,000	13	0	1

TABLE IX

BATCH SIZE	SAMPLE SIZE	AN	RN
< 30,000	10	0	1
30,000 < Q < 100,000	15	0	1
Q > 100,000	27	0	1


Date: 31/08/2012

Batch N° 4 4 8 1 1


page 5 of 5

07201300241902

MS21062-3K



Sales Order Number: 778096
 Finished Lot Number: 82161-01-005

 <p>Sede legale: via Mazzetta, 9 - MAGGIATE Sop. - 28013 GIATTOO (NO) ITALY TEL: 0322-838947 FAX: 0322-830198 www.pacificsteel.com</p>	
---	--

MS21062-3K

Q.C.I.R

SEE TABLE 8

BATCH NO.	DATE	VALUE	DIMENSION REQUESTED	DIMENSION MEASURED								SIGNATURE
44811	21/08/12	A	26.68 mm MAX	26.55	26.65	26.63	26.58	26.52	26.54	26.53		TESTED WITH PLUS GAGE
				26.55								
		B	7.37 - 10.72 mm	10.56	10.53	10.53	10.54	10.58	10.52	10.58		
				10.55								
		K	2.49 - 2.87 mm	2.68	2.69	2.68	2.68	2.69	2.68	2.68		
				2.68								
		H	6.36 mm MAX	5.82	5.81	5.82	5.86	5.82	5.79	5.79		
				5.89								
		J	7.92 +/- 0.05 mm	7.89	7.90	7.90	7.92	7.91	7.92	7.92		
				7.89								
		V	0.81 mm MAX	0.84	0.84	0.84	0.84	0.84	0.84	0.84		LO = LONGITUDINALLY LA = Laterally
				0.84								
		HR	Hardness HRC 49 max	38.0	38.2							
		FLOATING	LO/LA	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	
			0.78 mm MIN	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	
			AXIAL	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	
			0.51 mm MAX	0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	
				0.80	0.80	0.80	0.80	0.80	0.80	0.80	0.80	

07201300241902
 MS21062-3K



Sales Order Number: 778096
Finished Lot Number: 82161-01-005

NOTICE OF SHIPMENT/
PACKING LIST



-2584

CERTIFICATE OF TEST

A. 0780-000

15787-1 11/19/10 632775
PAOLO ASTORI SPA
VIA MIRABELLA 9
28013 MAGGIATE SUPERIORE (NO)
ITALY

BRACKENRIDGE, PA 188476
7220.90.0000

PAOLO ASTORI
C/O SHIPCO TRANSPORT
C/O OET CFS
1205 68TH STREET
BALTIMORE MD 21237

22020114060044 62-110-018 03/02/11
1141 CAROL STREAM IL 037550 132

GRADE AND SPECIFICATIONS
"ALTEMP" ALLOY STEEL, A-286 C R STRIP COILS ANNEALED 18 FIN 3 EDGE
REAPPROVED 2004 E2) (AMS 5525J) (09/22/09 EXCEPTION TO SPEC 05/06)

CARRIER - CLAY TRANSPORT (88501484300)
(SPEC 06/06 REV 2) (ASTM-A-112-96)

ITEM	PCS	DIMENSIONS W/C/L (MM)	HEAT #	COIL #	TEST #	GROSS TARE NET (KGS)	THEO	TAG #/ CO	SKID #
001A	9	21./..85/COIL	517310	-03 12220W176	3725879	994 38 956		351516	
		.827/.0335/COIL				2190 83 2107			
	9	21./..85/COIL	517310	-03 12220W176	3725879	990 38 952		351517	
		.827/.0335/COIL				2182 83 2099			
	8	21./..85/COIL	517310	-03 12220W176	3725879	876 38 838		351518	
		.827/.0335/COIL				1931 83 1848			
	8	21./..85/COIL	517310	-03 12220W176	3725879	884 35 849		351519	
		.827/.0335/COIL				1948 77 1871			
	7	21./..85/COIL	517310	-03 12220W176	3725879	778 33 745		351520	
		.827/.0335/COIL				1716 73 1643			
	5	21./..85/COIL	517310	-04 12220W183A	3725880	576 31 545		351521	
		.827/.0335/COIL				1269 68 1201			
	6	21./..85/COIL	517310	-04 12220W183A	3725880	589 32 537		351522	
		.827/.0335/COIL				1519 71 1448			
C CUST IDENTITY A286/0.85X21 7 SKIDS						5786 244 5542			
						12755 538 12217			

ORDER REMARKS: UNLESS OTHERWISE AGREED & NOTED, PRICE ON ORDER ACKNOWLEDGMENT ARE BASE PRICES ONLY AND DO NOT INCLUDE SURCHARGES, WHICH WILL BE ADDED AT TIME OF SHIPMENT. DEP GATTICO (NO) ITALY
FEBRUARY 28, 2011 - REC VAT & OTHER APPLICABLE LOCAL TAXES WHICH ARE THE RESPONSIBILITY OF THE BUYER

PAGE 01 - CONTINUED ON PAGE 02

03/03/11 09:14:53

TERMS: NET 30 DAYS
SHIPPING: FOB DESTINATION
INSURANCE: BUYER'S RISK
PAYMENT: BY CHECK OR CREDIT CARD
SIGNED: [Signature]
DATE: 03/03/11

07201300241902
MS21062-3K



Sales Order Number: 778096
Finished Lot Number: 82161-01-005

NOTICE OF SHIPMENT
PACKING LIST



CERTIFICATE OF TEST

A 20061002

CONTRACT NO.

15787-1

DATE CODE

11/19/10

692775

BRACKENRIDGE, PA 488476

PROPERTY NO.

22020114069044

TEST METHOD

62-110-018

DATE SHIPPED

03/02/11

QUANTITY

1

UNIT

EA

89198-4

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

15

PAOLO ASTORI SPA
VIA MIRABELLA 3
28013 MAGGIATE SUPERIORE (NO)
ITALY

PAKING SBC.
DSO DSO
20

PAOLO ASTORI
C/O SHIPCO TRANSPORT
C/O OST CPS
1205 68TH STREET
BALTIMORE MD 21237

GRADE AND SPECIFICATIONS
"ALUMINUM" ALLOY STEEL, A-286 C B STRIP COILS ANNEALED 18 FIN 3 EDGE (SPEC 06/06 REV 2) (ASTM-A-112-96)
REAPPROVED 2004 (2) (AMS 5525J) (09/22/09 EXCEPTION TO SPEC 05/05)

DIST: SEND ACK ATTN: GIAMPAOLO CAMPAGNOLI

TYPE HEAT/TEST	-C-	-MN-	-P-	-S-	-SI-	-CR-	-NI-	-AL-	-MO-	-V-	-TI-	-CO-
HEAT 517310-03	.03	.27	.013	.0001	.2	14.36	24.62	.16	1.17	.27	2.07	.08
TEST LOCATION	TC	BN	BN	TC	BN	BN	BN	BN	BN	BN	BN	BN
HEAT 517310-04	.03	.28	.012	.0002	.2	14.38	24.65	.18	1.18	.27	2.14	.07
TEST LOCATION	TC	BN	BN	TC	BN	BN	BN	BN	BN	BN	BN	BN
HEAT 517310-03	.007											
TEST LOCATION	BN											
HEAT 517310-04	.008											
TEST LOCATION	BN											

ITEM TEST NO	TEST CONDITION	YIELD MPA	TENSILE & ELONG MPA	50.8MM	HARDNESS	SEND	GRAIN	STRESS	CORROSION
001A 3725879	MILL. ANNEALED	T+332.	658.	42.	68.HR307W	T PASS 10.	10.	MR	MR
TEST LOCATION	TC	TC	TC	TC	TC	TC	TC		
	AMS HEAT	+800.	1117.	23.	54.HR30W				
TEST LOCATION	TREATED	TC	TC	TC	55.HR30W				

PAGE 02 - CONTINUED ON PAGE 03 (MORE TEST-RESULT INFO FOR THIS ITEM ON NEXT PAGE) 03/03/11 09:14:53

THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF ATL AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ATL. THE INFORMATION CONTAINED HEREIN IS THE PROPERTY OF ATL AND IS NOT TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF ATL.

07201300241902
MS21062-3K



Sales Order Number: 778096
Finished Lot Number: 82161-01-005

NOTICE OF SHIPMENT
PACKING LIST



CERTIFICATE OF TEST

AL 878-0000

ONE OF TWO IDENT 15787-1 11/19/10 692775 BEACON BRIDGES, PA 488476 22020114060044 62-110-018 03/02/11
SOLD TO PAOLO ASTORI SPA VIA MIRABELLA 9 28013 MAGGIATE SUPERIORE (NO) ITALY
PRIME SEC. D60 D60 7220.90.0000 2141 CAROL STREAM IL 037550 132
SHIP TO PAOLO ASTORI C/O SHIPCO TRANSPORT C/O CST CTS 1305 68TH STREET BALTIMORE MD 21237

GRADE AND SPECIFICATIONS "ALTEMP" ALLOY STEEL, A-285 C R STRIP COILS ANNEALED 18 FIN 3 EDGE REAPPROVED 2004 E2) (AMS 5528J) (09/22/09 EXCEPTION TO SPEC 06/06) CARRIER - CLAY TRANSPORT (88601484300) (SPEC 06/06 REV 2) (ASTM-A-112-96)

(MORE TEST-RESULT INFO FOR THIS ITEM ON PREVIOUS PAGE)

ITEM TEST NO	TEST	YIELD	TENSILE	% ELONG	HARDNESS	BEND	GRAIN	STRESS	CORROSION
001A 3725880	CONDITION	MPA	MPA	50.8MM					
	MTSL	T-334.	658.	40.	68.HR30TM	T PASS	10.	NR	NR
	ANNEALED				65.HR30TM				
TEST LOCATION	TC	TC	TC	TC	56.HR30M	TC	TC		
	AMS HEAT	+820.	1124.	23.	56.HR30M				
	TREATED				56.HR30M				
TEST LOCATION	TC	TC	TC	TC					
	* Y.S. BY 0.2% OFFSET METHOD								
	* Y.S. BY 0.2% OFFSET METHOD								
ITEM TEST NO	AMS STRESS								
001A 3725879	RUPTURE								
	23.9 HRS								
TEST LOCATION	DISCONTINU								
	TC								
ITEM TEST NO	AMS STRESS								
001A 3725880	RUPTURE								
	24.3 HRS								
TEST LOCATION	DISCONTINU								
	TC								

NR = DATA NOT REQUIRED
METALLOGRAPHIC MAGNIFICATION: 100X ETCHANT USED: OXALIC ACID

PAGE 03 - CONTINUED ON PAGE 04

03/03/11 09:14:53

ATC logo

07201300241902

MS21062-3K



Sales Order Number: 778096
Finished Lot Number: 82161-01-005

NOTICE OF SHIPMENT/
PACKING LIST



CERTIFICATE OF TEST

AL5100-0200

QSR 006-001-001

15787-1

11/19/10 692775

BRACKENRIDGE, PA 488476

22020114050044

62-110-018

03/02/11

132

1 1 1 1

SOLD TO

PACLO ASTORI SPA
VIA MIRABELLA 9
28013 MAGGIATE SUPERIORE (NO)
ITALY

89198-4 06
PRIME SEC.
DSO DSO
20

PACLO ASTORI
C/O SHIPCO TRANSPORT
C/O OGT CTS
1205 69TH STREET
BALTIMORE MD 21237

SHIP TO
CAROL STREAM IL 037550

GRADE AND SPECIFICATIONS

"A529" ALLOY STEEL, A-286 C R STRIP COILS ANNEALED 1B FIN 3 EDGE (SPEC 06/06 REV 2) (ASTM-A-112-96 REAPPROVED 2004 E2) (AMS 5525J) (09/22/09 EXCEPTION TO SPEC 06/06)

CARRIER - CLAY TRANSPORT (88601484300)

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

DIN EN 10204:2005 - 3.1 CERTIFICATE DOES NOT INDICATE PED APPROVAL FOR THIS MATERIAL.

SAMPLES TESTED PER AMS 5525 WERE TREATED AT 1325 DEG. F (718 C) FOR 16 HOURS AND AIR COOLED TO ROOM TEMPERATURE PRIOR TO TESTING.

THIS DIN EN 10204:2005 - 3.1 CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. ATI AL HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI AL QUALITY MANUAL REVISION 19 DATED 06/09/2010.

ALLSHEM LUDLOW PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES:

C, S BY COMBUSTION/INSTRUMENTAL
N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY
MM, P, SI, CR, NI, MC, CO, CB, CO, V BY WDS
B BY OES
AL AND TI (>=0.10%) BY WDS, OTHERWISE BY OES
PB, BI, AG BY GFAA

MATERIAL WAS SOLUTION ANNEALED AT 1800F +/- 25F (982C +/- 14C) FOR A TIME COMMENSURATE WITH SECTION THICKNESS AND COOLED AT A RATE EQUIVALENT TO AIR COOL OR FASTER.

STRESS RUPTURE - CONTINUOUS AXIAL STRESS OF 67500 PSI AT 1200F (465 MPa AT 649C) MATERIAL <= 1.874.

PAGE 04 - CONTINUED ON PAGE 05

03/03/11 09:14:53

ATI AL HOLDING CORPORATION
10000 W. 10TH AVENUE, SUITE 100
DENVER, CO 80202
TEL: 303.750.1000
FAX: 303.750.1001
WWW.ATI-AL.COM
© 2010 ATI AL HOLDING CORPORATION
ALL RIGHTS RESERVED

07201300241902
MS21062-3K



Sales Order Number: 778096
 Finished Lot Number: 82161-01-005

NOTICE OF SHIPMENT/
 PACKING LIST



CERTIFICATE OF TEST

ALCEN-0300

SHIP ORDER NO. DATE 15787-1	DATE 11/19/10	QUANTITY 692775	SHIP TO BRACKENRIDGE, PA 1488476	SHIP FROM 22020114060044	SHIP TO 62-118-018	SHIP FROM 03/03/11
SHIP TO PAOLO ASTORI SPA VIA MIRABELLA 9 28013 MAGGIATE SUPERIORE (NO) ITALY			SHIP TO 7220.90.0000	SHIP TO 2141 CAROL STEAM	SHIP TO IL	SHIP TO 037550 132
			SHIP TO 20 DSO	SHIP TO EAGLE ASTORI C/O SHIPCO TRANSPORT C/O OBT CFS 1205 68TH STREET BALTIMORE MD 21237		

GRADE AND SPECIFICATIONS
 "ALUMINUM" ALLOY STEEL, A-286 C R STRIP COILS ANNEALED 15 YIN 3 EDGE (SPEC 06/06 REV 2) (ASTM-A-112-96 REAPPROVED 2004 E2) (AMS 5525J) (09/22/09 EXCEPTION TO SPEC 06/06)

STRESS RUPTURE - CONTINUOUS AXIAL STRESS OF 70000 PSI AT 1200F (483 MPA AT 649C) MATERIAL >.1874.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:

BN - ATI-ALLEGHENY LUDLAM, 100 RIVER ROAD, BRACKENRIDGE, PA 15014
 TC - ATI-ALLEGHENY LUDLAM, 1300 PACIFIC AVENUE, HATTHONA HEIGHTS, PA 15065

<<<<<<< FOR ACCESS TO ONLINE CERTIFICATES OF TEST >>>>>>>
 <<<<<<< REGISTER AT WWW.ALCESTRA.COM >>>>>>>

PAGE 03 - FINAL PAGE.

03/03/11 09:14:53

ATI-ALLEGHENY LUDLAM is a registered trademark of ATI-ALLEGHENY LUDLAM. All other trademarks are the property of their respective owners. This document is the property of ATI-ALLEGHENY LUDLAM and is to be used for informational purposes only. It is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of ATI-ALLEGHENY LUDLAM. The information contained herein is confidential and proprietary to ATI-ALLEGHENY LUDLAM. It is to be used for informational purposes only and is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of ATI-ALLEGHENY LUDLAM. The information contained herein is confidential and proprietary to ATI-ALLEGHENY LUDLAM. It is to be used for informational purposes only and is not to be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or by any information storage and retrieval system, without the prior written permission of ATI-ALLEGHENY LUDLAM.

07201300241902
 MS21062-3K



Sales Order Number: 778096
Finished Lot Number: 82161

**NOTICE OF SHIPMENT/
PACKING LIST**



CERTIFICATE OF TEST

2014-2015

SLIST, CNO, NO, & DATE

15784-2

QUIET, COON

11/23/10

692775

BRACKENBURY

100

PRODUCT CODE

★ ★ ★ METRIC

◆◆◆◆◆

100-443887-1

SOLD TO

PAOLO ASTORI SPA
VIA MIRABELLA 9
28013 MAGGIATE SUPERIORE (NO)
ITALY

89198-4 36
PRIME SEC.
DSO DSO
20

7220.90.000

2141 CAROL STREA

10/26/1
SERVICE
IL 037693

132

PAOLO ASTORI SRL-ITALY
C/O ALLFREIGHT DISTRIBUTION
6201 SEAPORTH STREET
BALTIMORE MD 212

ND 21224

GRADE AND SPECIFICATIONS
 ATI A286 PRECIPITATION HARDENABLE STAINLESS STEEL C R STRIP COILS ANNEALED 1R FIN 3 EDGE (SPEC 06/06 REV 3)
 (AMS E-112-10) (AMS 5525J) (02/23/11 EXCEPTIONS TO 06/06)

(MORE TEST-RESULT INFO FOR THIS ITEM ON PREVIOUS PAGE)

ITEM TEST NO	TEST CONDITION	YIELD MPA	TENSILE % ELONG MPA	HARDNESS	BEND T PASS	GRAIN SIZE CORROSION	STRESS CORROSION SALT SPRAY
001B 3728452	MILL ANNEALED	T*307.	641.	50.8MM 42.	65.HR30TW 63.HR30TW	10. NR	NR
TEST LOCATION	AMS HEAT TREATED	+800.	TC 1117.	TC 21.	TC 51.HR30N 53.HR30N	TC TC	
TEST LOCATION		TC	TC	TC			
	* X.S. BY 0.2% OFFSET METHOD						
	+ X.S. BY 0.2% OFFSET METHOD						
ITEM TEST NO	AMS STRESS RUPTURE						
001A 3728627	23.5 HRS DISCONTINU TC						
TEST LOCATION							
ITEM TEST NO	AMS STRESS RUPTURE						
001B 3728452	36.2 HRS DISCONTINU TC						
TEST LOCATION							

NR = DATA NOT REQUIRED
METALLOGRAPHIC MAGNIFICATION: 100X ETCHANT USED: OXALIC ACID

PAGE 03 - CONTINUED ON PAGE 04

10/26/11 15:22:50

EXPOSURE - Penetration: This category can be used only in cases in that show-up from, being currently taking, if such, into the community; in this case, it is not to be used. For that purpose, please consider exposure to 2 units, if any, showing of damage is observed, then a full description must be completed upon investigation along.

Interest Study Club Steps In To protect your interests from being overlooked by your Financial Institutions. For an additional copy phone 724-629-8877. OFFICE: Promoting the United States, All of our services are done by phone. See Market Study Club Steps In To protect your interests.

Los datos proporcionados en este informe son de carácter confidencial y no deben ser divulgados a terceros sin el consentimiento expreso de la Oficina de Asesoría Jurídica. Para mayor información, consulte el Manual de Procedimientos de la Oficina de Asesoría Jurídica, disponible en el sitio web de la Procuraduría General de la Nación.

This document is a true copy of the original as shown to the undersigned on the 11th day of June 1964.

Tracy McEl...
Tracy McEl...
Developer, Computer Quality Assurance

07201300241902
MS21062-3K



Sales Order Number: 778096
Finished Lot Number: 82161-01-005

NOTICE OF SHIPMENT/
PACKING LIST



CERTIFICATE OF TEST

AL 81603-808

QNTY, ORG. NO. & DATE 15784-2	DATE 11/23/10	CLNT. CODE 692775	SHIPPER'S NO. BRACKENRIDGE, PA 515866	PRODUCT CODE 22020114060044	DATE SHIPPED 10/26/11
FORM 1 1	FORM 2 1	FORM 3 1	FORM 4 1	FORM 5 1	FORM 6 1
SOLD TO PAOLO ASTORI SPA VIA MIRABELLA 9 28013 MAGGIATE SUPERIORE (NO) ITALY			SHIP TO PAOLO ASTORI SRL-ITALY C/O ALLFREIGHT DISTRIBUTION 6201 SEAFORTH STREET BALTIMORE MD 21224	SHIP TO CAROL STREAM IL 037693 132	

GRADE AND SPECIFICATIONS
"ATI A286" PRECIPITATION HARDENABLE STAINLESS STEEL C R STRIP COILS ANNEALED 1B FIN 3 EDGE (SPEC 06/06 REV 3) (ASTM-E-112-10) (AMS 5525J) (02/23/11 EXCEPTIONS TO 06/06)

GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

DIN EN 10204:2005 - 3.1 CERTIFICATE DOES NOT INDICATE PED APPROVAL FOR THIS MATERIAL.

SAMPLES TESTED PER AMS 5525 WERE TREATED AT 1325 DEG. F (718 C) FOR 16 HOURS AND AIR COOLED TO ROOM TEMPERATURE PRIOR TO TESTING.

THIS DIN EN 10204:2005 - 3.1 CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL. FEDERAL LAW PROHIBITS THE RECORDING OF FALSE, FICTITIOUS, OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE AND MAY BE PUNISHABLE AS A FELONY UNDER FEDERAL LAW. ATI AL HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001, AS9100, NADCAP, AND ISO/IEC 17025. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ATI AL QUALITY MANUAL REVISION 19 DATED 06/09/2010.

ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES:

C, S BY COMBUSTION/INFRARED
N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY
MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF
B BY OES
AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES
PB, BI, AG BY GPAA

MATERIAL WAS SOLUTION ANNEALED AT 1800F +/- 25F (982C +/- 14C) FOR A TIME COMMENSURATE WITH SECTION THICKNESS AND COOLED AT A RATE EQUIVALENT TO AIR COOL OR FASTER.

STRESS RUPTURE - CONTINUOUS AXIAL STRESS OF 67500 PSI AT 1200F (465 MPA AT 649C) MATERIAL +/- .1874.

PAGE 04 - CONTINUED ON PAGE 05

10/26/11 15:12:50

<p>Customer: Please note: This certificate and related data is subject to the terms and conditions of the ATI Quality Management System. For the full terms and conditions, please refer to the ATI Quality Management System. For the full terms and conditions, please refer to the ATI Quality Management System.</p>	<p>ATI Quality Management System: This system is designed to ensure the highest quality of our products and services. It is based on the principles of continuous improvement and customer satisfaction. For the full terms and conditions, please refer to the ATI Quality Management System.</p>
--	--

07201300241902
MS21062-3K



Sales Order Number: 778096
Finished Lot Number: 82161-01-005

NOTICE OF SHIPMENT/
PACKING LIST



CERTIFICATE OF TEST

AL 81084 808

QNTY, ORD NO & DATE 15784-2 11/23/10	CERT. CODE 692775	BRACKENRIDGE, PA 515866	PRODUCT CODE 22020114060044	*** METRIC *** REL. ORDER NUMBER 62-110-025	DATE SHIPPED 10/26/11
SOLD TO PAOLO ASTORI SPA VIA MIRABELLA 9 28013 MAGGIATE SUPERIORE (NO) ITALY	SHIP TO PAOLO ASTORI SRL-ITALY C/O ALLFREIGHT DISTRIBUTION 6201 SEAFORTH STREET BALTIMORE MD 21224	SHIP TO PAOLO ASTORI SRL-ITALY C/O ALLFREIGHT DISTRIBUTION 6201 SEAFORTH STREET BALTIMORE MD 21224	SHIP TO PAOLO ASTORI SRL-ITALY C/O ALLFREIGHT DISTRIBUTION 6201 SEAFORTH STREET BALTIMORE MD 21224	SHIP TO PAOLO ASTORI SRL-ITALY C/O ALLFREIGHT DISTRIBUTION 6201 SEAFORTH STREET BALTIMORE MD 21224	SHIP TO PAOLO ASTORI SRL-ITALY C/O ALLFREIGHT DISTRIBUTION 6201 SEAFORTH STREET BALTIMORE MD 21224

GRADE AND SPECIFICATIONS CARRIER - COORDINATORS (#038CLV069522)
ATT A286 PRECIPITATION HARDENABLE STAINLESS STEEL C R STRIP COILS ANNEALED 18 PIN 3 EDGE (SPEC 06/06 REV 3) (ASTM-E-112-10) (AMS 5525J) (02/23/11 EXCEPTIONS TO 06/06)

STRESS RUPTURE - CONTINUOUS AXIAL STRESS OF 70000 PSI AT 1200F (483 MPA AT 649C) MATERIAL >.1874.

TESTING WAS PERFORMED AT THE FOLLOWING LOCATIONS:
BN - ATI-ALLEGHENY LUDLUM; 100 RIVER ROAD; BRACKENRIDGE, PA 15014
TC - ATI-ALLEGHENY LUDLUM; 1300 PACIFIC AVENUE; NATRONA HEIGHTS, PA 15065

FOR ACCESS TO ONLINE CERTIFICATES OF TEST
REGISTER AT WWW.ALCERTX.COM



PAGE 05 - FINAL PAGE.

10/26/11 15:12:50

CONSIGNEE: Paolo Astori SPA - Via Mirabella 9 - 28013 Maggiate Superiore (NO) - Italy
The consignee is responsible for the proper use of the material and for the payment of the invoice.
The consignee is responsible for the proper use of the material and for the payment of the invoice.
The consignee is responsible for the proper use of the material and for the payment of the invoice.

07201300241902
MS21062-3K

